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EXAMINER

NOTICE OF ALLOWANCE AND FEE(S) DUE

22850

1940 DUKE STREET

ALEXANDRIA, VA 22314

7590

08/20/2010

01/17/2007

OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, L.L.P.

BARKER, MICHAEL P

ART UNIT

PAPER NUMBER

5781

1626

DATE MAILED: 08/20/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.

10/594,994 Seiichiro Kawashima 295483US0PCT TITLE OF INVENTION: HETEROCYCLIC COMPOUND AND ANTI-MALIGNANT-TUMOR AGENT CONTAINING THE SAME AS ACTIVE

INGREDIENT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/22/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current **SMALL ENTITY status:**

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				ee(s) Transmittal. This ce s. Each additional pa	rtificate cannot be used f	r domestic mailings of the or any other accompanying nt or formal drawing, must
OBLON, SPIV 1940 DUKE STI ALEXANDRIA		_{v2010} AND MAIER & NI	EUSTADT, L.L.J S a ti	here tates ddre ransr	Certific by certify that this F- s Postal Service with ssed to the Mail Sto mitted to the USPTO	ate of Mailing or Trans ee(s) Transmittal is being sufficient postage for firs op ISSUE FEE address 571) 273-2885, on the da	mission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
							(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	OR	AT	TORNEY DOCKET NO.	CONFIRMATION NO.
10/594,994	01/17/2007		Seiichiro Kawashima			295483US0PCT	5781
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nonprovisional	NO	\$1510	\$300	_	\$0	\$1810	11/22/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS	_			
BARKER, M		1626	514-232200				
Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" 1ndication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a				
PLEASE NOTE: Unl recordation as set forth (A) NAME OF ASSIG	ess an assignee is ident h in 37 CFR 3.11. Comj GNEE	A TO BE PRINTED ON The street of the second of this form is NO the second of the secon	data will appear on the T a substitute for filing: (B) RESIDENCE: (CI	e pat an as	ent. If an assignee is ssignment. and STATE OR COU	NTRY)	ocument has been filed for
a. The following fee(s)			<u>-</u>			reviously paid issue fee	
☐ 1ssue Fee			A check is enclosed		Ea DTO 2029 in	atte de e d	
☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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22850 75	7590 08/20/2010		EXAMINER		
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1940 DUKE STREET ALEXANDRIA, VA 22314			ART UNIT	PAPER NUMBER	
			1626		
			DATE MAILED: 08/20/2010		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 518 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 518 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/594,994	KAWASHIMA ET AL.	
Notice of Allowability	Examiner	Art Unit	
	MICHAEL BARKER	1626	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS	
1. This communication is responsive to <u>06/24/2010</u> .			
2. The allowed claim(s) is/are <u>1-21,23 and 24</u> .			
 Acknowledgment is made of a claim for foreign priority ur All b)	been received. been received in Application No cuments have been received in this r	national stage application from the	
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm		S AMENDMENT or NOTICE OF	
INFORMAL PATENT APPLICATION (PTO-152) which give			
 CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the 	on's Patent Drawing Review (PTO-9 s Amendment / Comment or in the O	ffice action of	
DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIAL n	nust be submitted. Note the	
Attachment(s)			
1. Notice of References Cited (PTO-892)	5. D Notice of Informal Pa	• •	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Dat		
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. 🛛 Examiner's Amendn	nent/Comment	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ☐ Examiner's Stateme9. ☐ Other	nt of Reasons for Allowance	

DETAILED ACTION

In the Advisory Action filed 07/19/2010, claims 1 and 7-20 were indicated as allowable. Claims 21-24 were rejected under 35 USC 112, 1st paragraph, and claim 25 was objected to for its dependence on a rejected base claim.

EXAMINER'S AMENDMENT

An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this Examiner's Amendment was given in a telephone interview with Tom Cunningham on 07/26/2010.

Please amend the claims as follows:

Claim 21: Please delete the text of claim 21, and insert the following text:

"A method for inhibiting the growth of a human colon cancer cell, a human lung cancer cell, a human breast cancer cell, or a human prostate cancer cell comprising contacting the cancer cell with an effective amount of the compound of claim 1."

Claim 22: Cancel.

Claim 23: Please delete "22" and insert "21" therefor.

Claim 25: Cancel.

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Art Unit: 1626

Allowable Subject Matter

The Examiner's Amendment obviates the rejection of claims 21-25 under 35 USC 112, 1st paragraph. After the Examiner's Amendment, claims 1, 7-21, 23, and 24 remain pending and in condition for allowance.

Conclusion

Any questions about this Office Action may be directed toward Examiner Michael Barker at 571.272.0303. If, however, attempts to reach Mr. Barker are not successful, the Examiner's supervisor, Joseph McKane, may be reached at 571.272.0699.

/MICHAEL BARKER/ Examiner, Art Unit 1626

/Kamal A Saeed/

Primary Examiner, Art Unit 1626